

ABSTRACT

1 A time-domain time-scale modification method based on the
2 synchronous overlap-and-add method consists of a
3 generalization of the envelope-matching time-scale
4 modification method. The cross-correlation function employs a
5 fixed-size cross-correlation buffer to eliminate the need for
6 normalization inside the search loop. This fixed-size cross-
7 correlation buffer is the center of the overlap region
8 corresponding to the case where the fine overlap adjustment
9 value is set to zero. The computational cost of this
10 invention is lower than any other method with a comparable
11 quality.